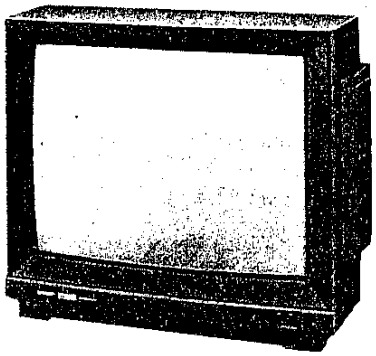
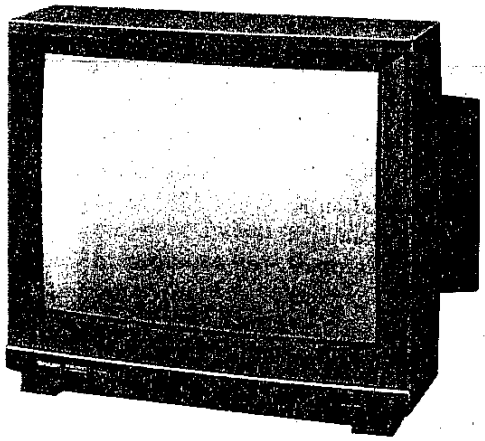
SHARP SERVICE MANUAL

S99M829N21D1/



25N21-D1



29N21-D1

9P-KM CHASSIS

21 SYSTEM COLOUR TELEVISION

MODELS 25N21-D1 29N21-D1

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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ELECTRICAL SPECIFICATIONS

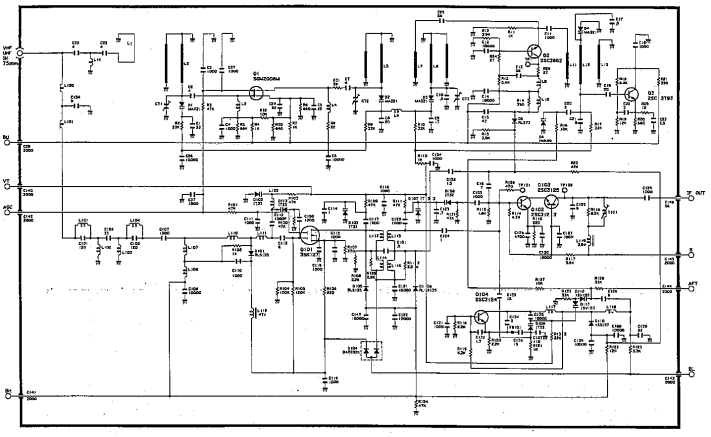
Aerial Input Impedance ..... 75 ohm unbalanced
Convergence ..... Self Converging System
Focus ..... Bi-potential, Uni-potential electrostatic
Audio Power Output Rating ..... 3.0Wx2 (MAX)
Intermediate Frequencies
Picture IF Carrier Frequency ..... 38.9 MHz
Sound IF Carrier Frequency ..... 32.4 MHz (6.5 MHz)
32.9 MHz (6.0 MHz)
33.4 MHz (5.5 MHz)
34.4 MHz (4.5 MHz)
Colour Sub-Carrier Frequency ..... 34.47 MHz (PAL/NTSC)
34.494/34.65 MHz (SECAM)
35.32 MHz (NTSC)
Power Input ..... AC 110/127/220/240 Volts
50 Hz/60 Hz (Auto)
Power Consumption
25N21-D1 ..... 135W
29N21-D1 ..... 150W
Speaker Size ..... 12x8cmx2pcs. (8 ohm)
Sweep Deflection ..... Magnetic
RECEIVING CHANNELS
PAL-B/G, SECAM-B/G ..... VHF: E2~E12 ch
CATV: S1~S3, M1~M10, U1~U10 ch
UHF: 21~69 ch
PAL-D/K, SECAM-D/K ..... VHF: R1~R12 ch
UHF: 21~69 ch
PAL-I ..... VHF: B~J ch (Ireland)
UHF: 21~69 ch (U.K., H.K.)
NTSC-M ..... VHF: US;2~13 ch JAPAN;1~12 ch
CATV: A-6~A-1, A~W, AA ch
UHF: US;14~83 ch JAPAN; 13~62 ch
RECEIVING FREQUENCY
VHF: 48.25~301.25 MHz
UHF: 471.25~885.25 MHz

WARNING

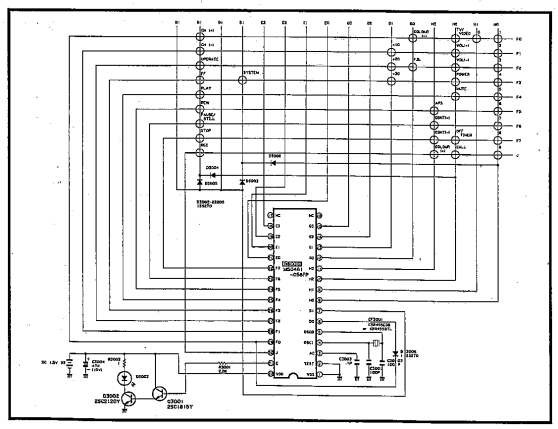
The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user — serviceable parts inside. Refer servicing to qualified service personnel.

SHARP CORPORATION

TUNER ⚠ VTUVTSA7S1G//



INFRARED REMOTE CONTOL UNIT RRMCG0556CESA

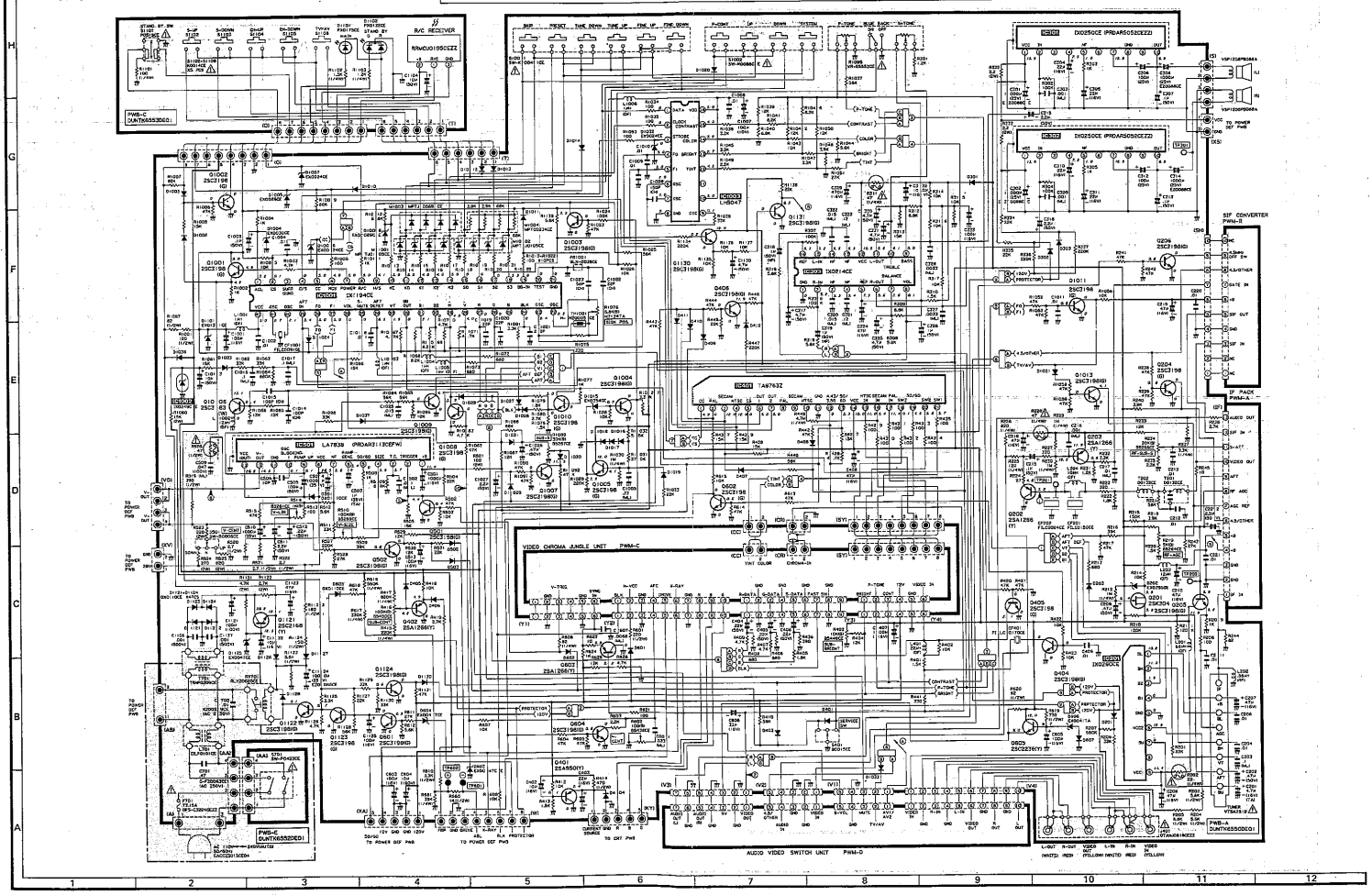


WAVE FORMS

① 2.0 Vp-p (H)	⑦ 0.35 Vp-p (H)	⑬ 0.22 Vp-p (H)	⑲ 90 Vp-p (H)
② 2.0 Vp-p (H)	⑧ 58 Vp-p (H)	⑭ 2.0 Vp-p (H)	⑳ 90 Vp-p (H)
③ 7.6 Vp-p (H)	⑨ 1080 Vp-p (H)	⑮ 0.24 Vp-p (H)	㉑ 350 Vp-p AC110V (500 Vp-p AC220V)
④ 5.0 Vp-p(V)	⑩ 13.5 Vp-p (H)	⑯ 0.88 Vp-p (H)	
⑤ 4.8 Vp-p (V)	⑪ 9.6 Vp-p (H)	⑰ 0.7 Vp-p (H)	
⑥ 54 Vp-p (V)	⑫ 0.64 Vp-p (H)	⑱ 96 Vp-p (H)	

MODEL 25N21-D1 SCHEMATIC DIAGRAM

CAUTION: This circuit diagram is original one. Therefore there may be slight differences from yours.



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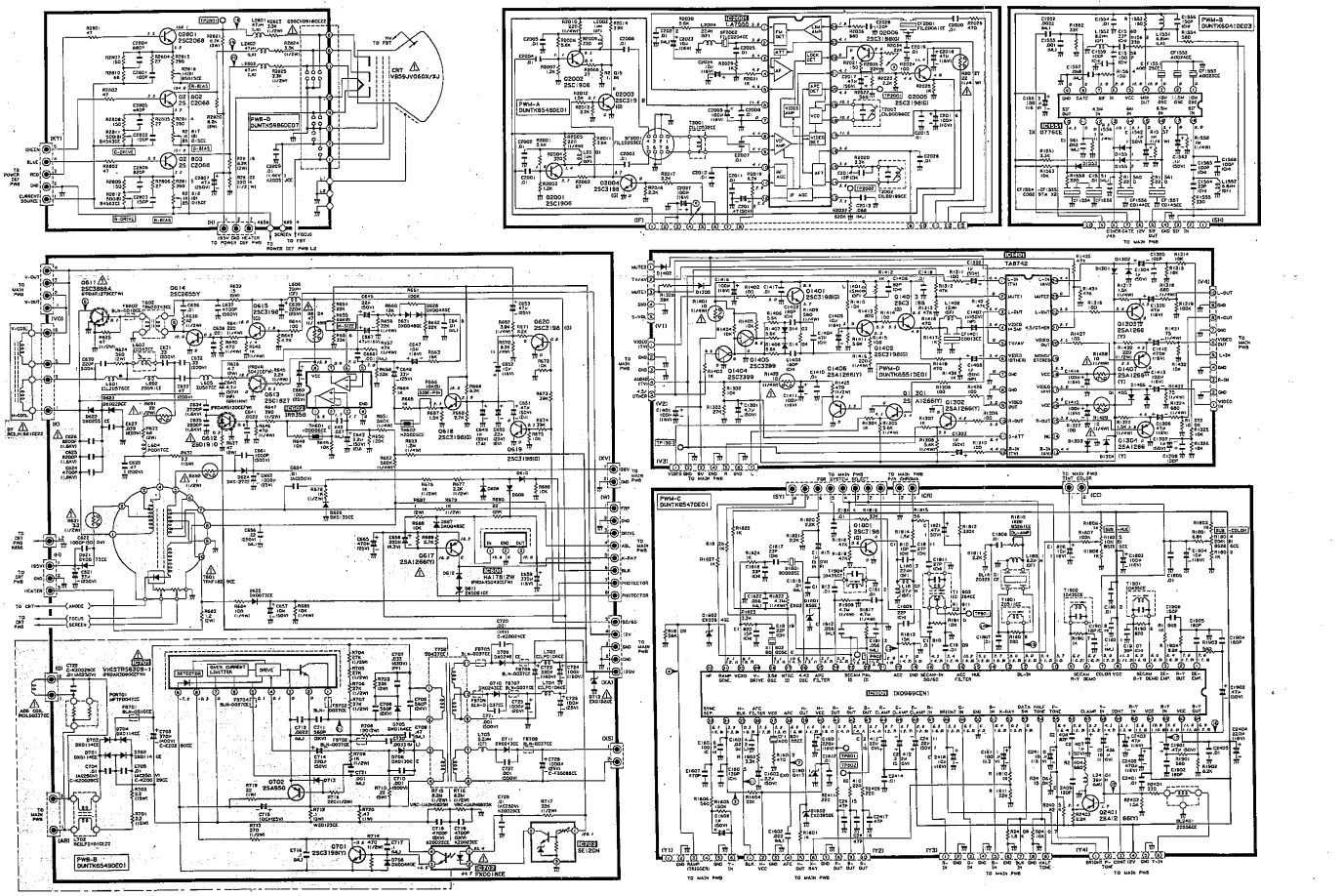

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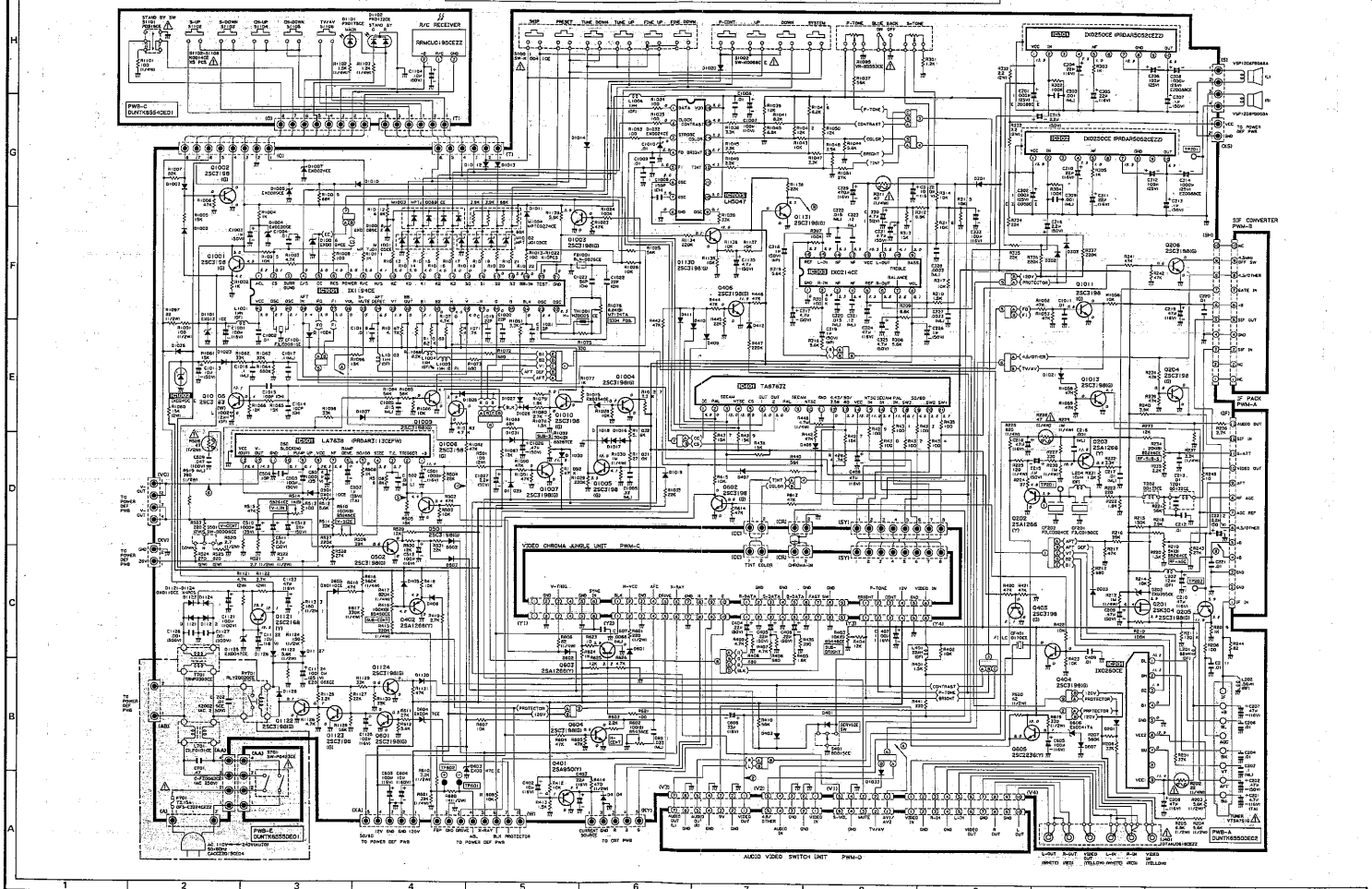

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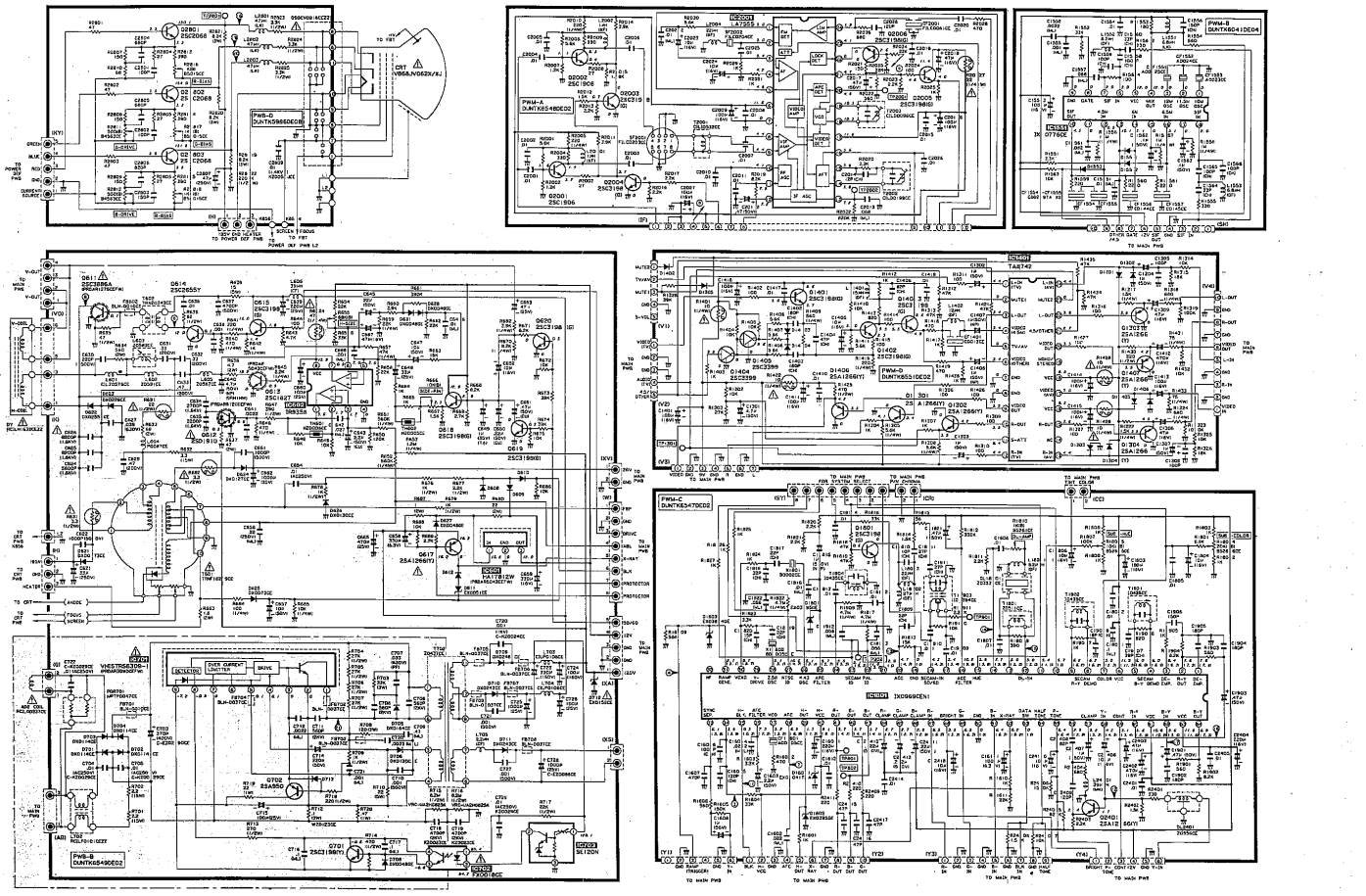
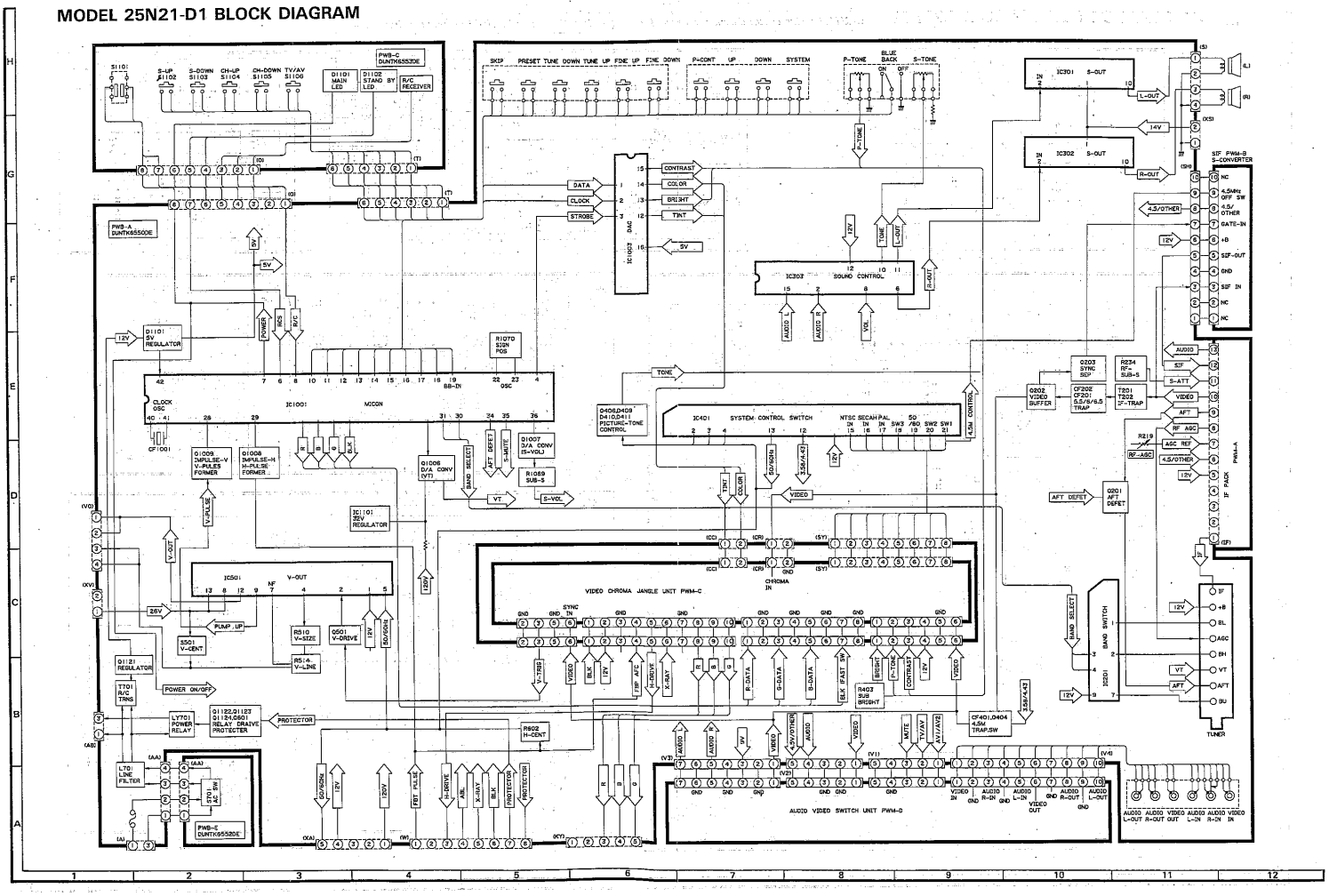
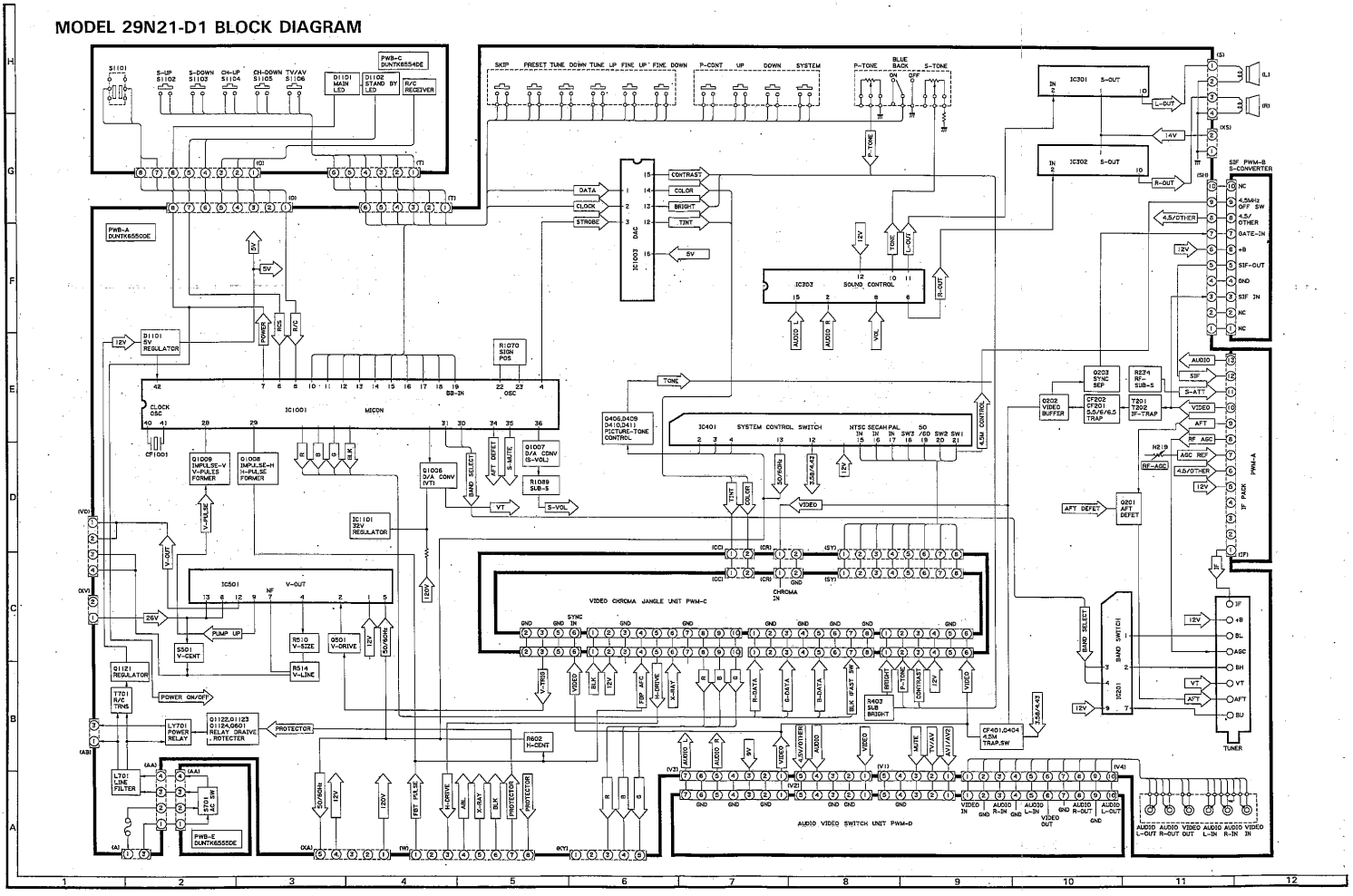


MODEL 25N21-D1 BLOCK DIAGRAM



MODEL 29N21-D1 BLOCK DIAGRAM



BLOCK DIAGRAM